

Pooled Iron

Pooled Iron is one of the key by-products sold by IBMD and it is a well-accepted and established product in the secondary steel market, which is dominated by induction furnaces and electric arc furnaces. It is a variant of solidified hot metal generated on arising basis due to imbalance in downstream steel making. It is prepared by pouring excess hot metal into open pits and then allowing them to cool. It is then processed using drop-ball and rock breaker to break the bigger chunks of pooled iron into sizes suitable for furnaces. It serves as a substitute for cast iron source (with carbon content) in induction furnaces and electric arc furnaces.

Specifications

Physical Properties	
State	Solid Chunks
Weight	150 - 300 kg
Colour	Metallic Grey



Chemical Properties			
Item	Unit	Min	Max
Fe	%	94	95
Carbon	%	3.9	4.75
Silicon	%	4	1.5
Others	%	0.17	0.45
Sampling Procedure	As per Pig Iron IS 2084:1991		
Testing Frequency	Daily (per Cast)		

** Detailed Chemical Composition can be made available on request*

Delivery Conditions	
Mode of Dispatch	Truck/Container/Rake
Packing & Bundling	Loose Form

Applications

Pooled Iron is used by secondary steel industries to arrive at the following end products:

- Ingots
- Billets
- Rebars
- Mild steel castings
- Medium and light household steel goods